Iowa Department of Natural Resources
Draft Title V Operating Permit

Name of Permitted Facility: Vermeer Corporation
Facility Location: 1210 Vermeer Road East, Pella, IA 50219
Air Quality Operating Permit Number: 99-TV-052R4
Expiration Date: **DATE**
Permit Renewal Application Deadline: **DATE**

EIQ Number: 92-5246
Facility File Number: 63-02-004

Responsible Official
Name: Dan Huitink
Title: Vice President and General Counsel
Mailing Address: 1210 Vermeer Road East Pella, IA 50219
Phone #: (641) 621-3141

Permit Contact Person for the Facility
Name: Shawn Peters
Title: Senior EHS Manager
Mailing Address: 1210 Vermeer Road East Pella, IA 50219
Phone #: (641) 621-7125

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 24, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

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Marnie Stein, Supervisor of Air Operating Permits Section Date

Table of Contents

Abbreviations

acfm.....actual cubic feet per minute
CFR.....Code of Federal Regulation
CE .....control equipment
CEM.....continuous emission monitor
^{o}F .....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
IDNR.....Iowa Department of Natural Resources
NAICS.....North American Industry Classification System
NSPS .....new source performance standard
ppm_v .....parts per million by volume
lb./hr .....pounds per hour
lb./MMBtu .....pounds per million British thermal units
SCC.....Source Classification Codes
scfm.....standard cubic feet per minute
SIC .....Standard Industrial Classification
TPY .....tons per year
USEPA.....United States Environmental Protection Agency

Pollutants
PM.....particulate matter
PM_{10} .....particulate matter ten microns or less in diameter
$PM_{2.5}$ .....particulate matter two point five microns or less in diameter
SO_2 .....sulfur dioxide
NO_x .....nitrogen oxides
VOC .....volatile organic compound
CO.....carbon monoxide
HAP.....hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R4

Facility Description: Construction Machinery Manufacturing (SIC 3531)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Plant 1 Surface Coating Operations			
1.AG1	1.AG	Plant 1 Finish Paint Booth	11-A-483-S3
1.AG2			97-A-973-S8
1.K	1.K	Plant 1 Parts Paint Booth	97-A-974-S8
1.PB1	1.PB1	Plant 1 Parts Paint Booth	18-A-363-S2
Plant 2 Surface Coating Operations			
2.AF	2.AF	Plant 2 Paint Kitchen	98-A-073-S3
2.AG	2.AG	Plant 2 Paint Kitchen	98-A-074-S3
2.F1	2.F	Plant 2 Paint Finish Booth	98-A-075-S7
2.F2			98-A-076-S7
2.H	2.H	Plant 2 Parts Paint Booth	98-A-077-S8
2.AI1	2.AI	Plant 2 Paint Finish Booth	98-A-859-S7
2.AI2			98-A-860-S7
Plant 3 and Plant 3.5 Surface Coating Operations			
3.F1	3.F	Plant 3 Finish Paint Booth	98-A-004-S7
3.F2			98-A-005-S7
3.GH	3.GH	Plant 3 Paint Kitchen	98-A-007-S3
3.GI	3.GI	Plant 3 Paint Kitchen	98-A-008-S3
3.KK	3.KK	Plant 3 Paint Kitchen	99-A-684-S2
3.HH	3.HH	Plant 3 Parts Paint Booth	99-A-688-S6
3.II	3.II	Plant 3 Parts Paint Booth	99-A-689-S6
P.O.	P.O.	Safety Kleen Parts Washers (2)	99-A-685-S1
Shop 48 Surface Coating Operations			
SH48.PB1A	SH48.PB1	Shop 48 Paint Booth	19-A-168-S1
SH48.PB1B			19-A-169-S1
SH48.PB2A	SH48.PB2	Shop 48 Paint Booth	19-A-170-S1
SH48.PB2B			19-A-171-S1
Plant 7 Surface Coating Operations			
7.PB10A	7.PB10	Plant 7 Parts Paint Booth	19-A-644-S2
7.PB10B			19-A-645-S2
7.PB11A	7.PB11	Plant 7 Parts Paint Booth	19-A-646-S2
7.PB11B			19-A-647-S2
7.PB12A	7.PB12	Plant 7 Parts Paint Booth	19-A-648-S1
7.PB12B			19-A-649-S1
7.PB13A	7.PB13	Plant 7 Parts Paint Booth	19-A-650-S1
7.PB13B			19-A-651-S1

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
7.PB14A	7.PB14	Touch-up Paint Booth	19-A-652-S2
7.PB15A	7.PB15	Plant 7 Whole Goods Booth	19-A-656-S2
7.PB15B			19-A-657-S2
7.PB16A	7.PB16	Whole Goods Paint Booth	19-A-660-S2
7.PB16B			19-A-661-S2
Plant 4 Surface Coating Operations			
4.PB10A	4.PB10	Plant 4 Primer Paint Booth	23-A-197
4.PB10B			23-A-198
4.PB11A	4.PB11	Plant 4 Finish Paint Booth	23-A-199
4.PB11B			23-A-200
4.PB12A	4.PB12	Plant 4 Finish Paint Booth	23-A-201
4.PB12B			23-A-202
4.PB12C			23-A-203
4.PB12D			23-A-204
4.PB13	4.PB13	Plant 4 Touch-up Paint Booth 1	24-A-332
Paint Ovens			
2.I	2.I	Plant 2 Paint Oven	98-A-078-S2
3.JJ	3.JJ	Plant 3 Parts Paint Oven	99-A-686-S3
3.MM	3.MM	Plant 3 Parts Paint Oven	00-A-562-S1
W.OVEN	W.OVEN	Paint hook burn off oven	NA
Generator Engines			
1.HH	1.HH	Plant 1 IT Engine Generator	NA
PV.GENB	PV.GEN	Pavilion Engine Generator	NA
ECO.GEN1	ECO.GEN1	Eco Center Emergency Generator	NA
PDC.GEN1	PDC.GEN1	Part Center Emergency Generator	NA
7.GEN1	7.GEN1	Plant 7 Emergency Generator	NA
7.FIREPUMP1	7.FIREPUMP1	Emergency Fire Water Pump	NA
Miscellaneous Sources			
WELD	WELD	Facility Wide Metal Welding	25-A-052
SB.DUST1	SB.3	Dry Abrasive Blast Building	15-A-338-S1
SB.DUST2			15-A-339-S1
7.SB1	7.SB1	Plant 7 Shot Blast System	19-A-665-S1
EP 4.SB1	4.SB1	Plant 4 Shot Blast System	18-A-170-S1
7.WA1	7.WA1	Wash Booth	19-A-664
W.GRIND1	W.GRIND1	Eco Center Grinder	NA
GASTANKS	GASTANKS	Gasoline Tank	NA
NG EXEMPT	NG EXEMPT	Facility Natural Gas Heaters	NA

Insignificant Activities Equipment List[(1)]

Insignificant Emission Unit Number	Insignificant Emission Unit Description
FLAM3001	Flame Cutter L-Tec
FLCM3002	ALLTRA Flame Cutting Machine
FLCM4001	Flame Cutting Machine ESAB
LASR1001	Trumpf Laser
LASR2003	Mazak Laser
LASR3001	Trumpf Laser
LASR4003	Trumpf Laser
LASR4004	Trulaser
LASR4005	Trumpf Laser
LASR4006	Trumpf Laser
LASR4007	Trumpf Laser
LASR5001	Trumpf Laser
LASR7009	Mazak Laser
LASR7010	Mazak Laser
LASR7011	Mazak Laser
LASR7012	Mazak Laser
LASR7013	Trumpf Laser
LASR7014	Trumpf Laser
LASR7015	Mazak Laser
PLCM3001	Plasma Cutting Machine Alltra
PLCM7002	Alltra Plasma Cutter Machine
PLMC3001	Kinetic Plasma Machine Cutter
PLSM7013	HyperTherm Plasma Cutter
PLSM4801	HyperTherm Plasma Cutter
W.GRIND2[(1)]	Eco Center Grinder Engine - Portable

[(1)] Emission Units qualify for Small Unit Exemption under 567 IAC 22.1(2)"w". Records shall be kept in accordance with 567 IAC 22.1(2)"w"(3).

II. Plant-Wide Conditions

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R4

Permit conditions are established in accord with 567 Iowa Administrative Code rule 24.108. When 567 IAC as amended May 15, 2024, and cited in this permit becomes State Implementation Plan (SIP) approved, it will supersede 567 IAC as amended February 8, 2023. Prior to May 15, 2024, all Title V rule citations in this Title V permit were found and cited in 567 IAC Chapter 22. During the period from May 15, 2024, to the date that 567 IAC as amended May 15, 2024, is approved into the SIP, both 567 IAC as amended May 15, 2024 and 567 IAC as amended February 8, 2023 form the legal basis for the applicable requirements included in this permit. A crosswalk showing the citation changes is attached to this permit in Appendix C.

Permit Duration

The term of this permit is: Five (5) years from permit issuance
Commencing on: **DATE**
Ending on: **DATE**

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 24.110 - 24.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 24.115.

Emission Limits
Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or

amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizer or limestone.
4. Covering, at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

Authority for Requirement: 567 IAC 23.3(2)"c"

Facility-Wide Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this facility shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 247 tons/yr.[(1)]
Authority for Requirement: See Table from Paint Booths in Section III – Emission Point Specific Conditions

Pollutant: Single HAP
Emission Limit(s): 8.95 tons/yr.[(1)]
Authority for Requirement: See Table from Paint Booths in Section III – Emission Point Specific Conditions

Pollutant: Total HAP
Emission Limit(s): 23.27 tons/yr.[(1)]
Authority for Requirement: See Table from Paint Booths in Section III – Emission Point Specific Conditions

[(1)]Does not include VOC/HAP emissions from natural gas combustion sources.

Facility-Wide Operational Limits

Unless specified otherwise in the Emission Point-Specific Conditions, the following limitations and supporting regulations apply to all emission points at this facility:

Process Throughput:

A. The sulfur content of natural gas or propane combusted in indirectly fired emission units at this facility shall not exceed 123 ppm by weight.
B. The particulate matter content of natural gas or propane combusted in indirectly fired emission units at this facility shall not exceed 15.3 pounds per MMCF.

Authority for Requirement: Part 7 of State of Iowa, ex rel., Iowa DNR vs. Vermeer Manufacturing Company, 99AG23542
District Court, Marion County, Law No. LACV087889

C. The amount of natural gas used in this facility shall not exceed 500 million cubic feet per 12-month rolling period.

Authority for Requirement: DNR Construction Permit 99-A-686-S3, (see Emission Point-Specific Conditions for other construction permit citations)

Facility-Wide Reporting & Recordkeeping

Records shall be kept on-site for five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

For Gaseous Fuels

A. The owner/operator shall maintain a current MSDS for propane, including its sulfur content.

Authority for Requirement: Part 7 of State of Iowa, ex rel., Iowa DNR vs. Vermeer Manufacturing Company, 99AG23542
District Court, Marion County, Law No. LACV087889

For the purpose of maintaining Area-Source status:

A. The permittee shall maintain the following monthly records:
   i. The amount (cubic feet) of natural gas and propane used at this facility.
   ii. The twelve (12)-month rolling total amount of natural gas and propane used at this facility.

Authority for Requirement: 567 IAC 24.108(3)

General Requirements

A. All VOC and HAP emissions from the paint kitchens and the paint cleaning station shall be accounted for in the paint booths facility-wide.
   a. The owner or operator shall not use the paint kitchens for the application of coatings on a substrate.
B. The HAP-containing materials used in the operation of the paint booths facility-wide shall not contain chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
C. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all VOC- and HAP-containing materials used in the operation of the paint booths facility-wide
D. The owner or operator shall maintain the following daily records:
   a. The identification, VOC content, and HAP content, in pounds per gallon, of each VOC- and HAP-containing material used in the operation of the paint booths, facility-wide.
   b. Total amount, in gallons, of each VOC- and HAP-containing material used in the operation of the paint booths, facility-wide.
E. The combined emission limits (VOCs and HAPS) listed in the Facility-Wide Emission Limits above, shall not include emissions from natural gas combustion, abrasive blasting, or cutting.
F. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   a. The date and time any inspection and/or maintenance was performed on the emission unit and/or control equipment;
   b. Any issue(s) identified during the inspection and the date each issue(s) was resolved; and,
   c. Any issue(s) addressed during the maintenance activities and the date each issue(s) was resolved.
G. The owner or operator may take credit for VOC- and HAP-containing waste materials shipped off-site. The credit may be subtracted from the VOC and HAP rolling totals in the month the waste is shipped off-site.
   a. The following records shall be maintained for each waste material shipment that the owner or operator uses to take VOC and HAP credit:
      i. The date and amount of waste materials shipped off-site.
      ii. The methodology used to determine the amount of waste materials.
      iii. The amount of VOC and HAP in the waste materials.
      iv. The methodology used to determine the amount of VOC and HAP in the waste materials.
         1. At a minimum, this methodology shall include the sources for all

data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation.

VOC Emissions Calculations Requirements

H. The owner or operator shall record the total amount, in tons, of VOC emitted from the operation of the paint booths, facility-wide, during the emissions calculation period.
   (1) For purposes of the calculations below, all VOC may be considered emitted on the day the VOC-containing materials are delivered to the facility or production line.
   (2) The owner or operator shall use the following equation to calculate VOC emissions:
   VOC Emissions = [∑(Total gallons of each VOC-containing material allocated to the paint booths, facility-wide, during the emissions calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

I. The owner or operator shall record the total monthly amount, in tons, of VOC emitted from the operation of the paint booths, facility-wide, using the equation in Permit Condition H.(2) above.

J. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the paint booths, facility-wide, on a rolling 12-month basis.

K. The owner or operator shall implement the following procedure if the 12-month rolling total amount of VOC emitted from the operation of the paint booths, facility-wide, exceeds 197.6 tons.
   (1) The owner or operator shall record the total daily amount, in tons, of VOC emitted from the operation of the paint booths, facility-wide. The owner or operator shall calculate total daily VOC emissions using the equation in Permit Condition H.(2) above.
      (a) The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the paint booths, facility-wide, on a rolling 365-day basis.
      (b) Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
      (c) Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.
      (d) Daily VOC emissions calculations and recordkeeping shall continue until the rolling 12-month total drops below 197.6 tons on the last day of the following month, at which time rolling daily VOC emissions calculations shall cease.

Single HAP Emissions Calculations Requirements

L. The owner or operator shall record the total amount, in tons, of Single HAP emitted from the operation of the paint booths, facility-wide, during the emissions calculation period.
   (1) For purposes of the calculations below, all Single HAP may be considered emitted on the day the HAP-containing materials are delivered to the facility or production line.
   (2) The owner or operator shall use the following equation to calculate Single HAP emissions:
   Single HAP Emissions = [∑(Total gallons of each HAP-containing material allocated to the paint booths, facility-wide, during the emissions calculation period) * (Single HAP content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

M. The owner or operator shall record the total monthly amount, in tons, of Single HAP emitted from the operation of the paint booths, facility-wide, using the equation in Permit Condition L.(2) above.
N. The owner or operator shall calculate and record the total amount, in tons, of Single HAP emitted from the operation of the paint booths, facility-wide, on a rolling 12-month basis.
O. The owner or operator shall implement the following procedure if the 12-month rolling total amount of Single HAP emitted from the operation of the paint booths, facility-wide, exceeds 7.2 tons.
    (1) The owner or operator shall record the total daily amount, in tons, of Single HAP emitted from the operation of the paint booths, facility-wide. The owner or operator shall calculate total daily Single HAP emissions using the equation in Permit Condition L.(2) above.
        (a) The owner or operator shall calculate and record the total amount, in tons, of Single HAP emitted from the operation of the paint booths, facility-wide, on a rolling 365-day basis.
        (b) Calculation and recordkeeping of Single HAP emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
        (c) Calculation and recordkeeping of Single HAP emissions shall not be required when emissions do not occur.
        (d) Daily Single HAP emissions calculations and recordkeeping shall continue until the rolling 12-month total drops below 7.2 tons on the last day of the following month, at which time rolling daily Single HAP emissions calculations shall cease.

Total HAP Emissions Calculations Requirements

P. The owner or operator shall record the total amount, in tons, of Total HAP emitted from the operation of the paint booths, facility-wide, during the emissions calculation period.
    (1) For purposes of the calculations below, all Total HAP may be considered emitted on the day the HAP-containing materials are delivered to the facility or production line.
    (2) The owner or operator shall use the following equation to calculate Total HAP emissions:

    Total HAP Emissions = ∑(Emissions for each Single HAP, in tons, during the emissions calculation period)
Q. The owner or operator shall record the total monthly amount, in tons, of Total HAP emitted from the operation of the paint booths, facility-wide, using the equation in Permit Condition P.(2) above.
R. The owner or operator shall calculate and record the total amount, in tons, of Total HAP emitted from the operation of the paint booths, facility-wide, on a rolling 12-month basis.
S. The owner or operator shall implement the following procedure if the 12-month rolling total amount of Total HAP emitted from the operation of the paint booths, facility-wide, exceeds 18.6 tons.
    (1) The owner or operator shall record the total daily amount, in tons, of Total HAP emitted from the operation of the paint booths, facility-wide. The owner or operator shall calculate total daily Total HAP emissions using the equation in Permit Condition P.(2) above.
        (a) The owner or operator shall calculate and record the total amount, in tons, of

Total HAP emitted from the operation of the paint booths, facility-wide, on a rolling 365-day basis.

(b) Calculation and recordkeeping of Total HAP emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

(c) Calculation and recordkeeping of Total HAP emissions shall not be required when emissions do not occur.

(d) Daily Total HAP emissions calculations and recordkeeping shall continue until the rolling 12-month total drops below 18.6 tons on the last day of the following month, at which time rolling daily Total HAP emissions calculations shall cease.

Authority for Requirement: See Table from Paint Booths in Section III – Emission Point Specific Conditions
567 IAC 22.108(3)

III. Emission Point-Specific Conditions

Facility Name: Vermeer Corporation
Permit Number: 99-TV-052R4

Emission Point ID Number: Paint Booths

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (gal/hr)	Construction Permit
Plant 1 Surface Coating Operations						
1.AG1	1.AG	Plant 1 Finish Paint Booth	CE 1.AG1: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	11-A-483-S3
1.AG2			CE 1.AG2: Dry Filter			97-A-973-S8
1.K	1.K	Plant 1 Parts Paint Booth	CE 1.K: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	97-A-974-S8
1.PB1	1.PB1	Plant 1 Parts Paint Booth	CE 1.PB1: Dry Filter	Paint	1 electrostatic spray gun at 5.625 gal/hour	18-A-363-S2
Plant 2 Surface Coating Operations						
2.AF	2.AF	Plant 2 Paint Kitchen #1	None	Paint	NA	98-A-073-S3
2.AG	2.AG	Plant 2 Paint Kitchen #2	None	Paint	NA	98-A-074-S3
2.F1	2.F	Plant 2 Finish Paint Booth	CE 2.F1: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	98-A-075-S7
2.F2			CE 2.F2: Dry Filter			98-A-076-S7
2.H	2.H	Plant 2 Parts Paint Booth	CE 2.H: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	98-A-077-S8
2.AI1	2.AI	Plant 2 Finish Paint Booth	CE 2.AI1: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	98-A-859-S7
2.AI2			CE 2.AI2: Dry Filter			98-A-860-S7
Plant 3 and Plant 3.5 Surface Coating Operations						
3.F1	3.F	Plant 3 Finish Paint Booth	3.F1: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	98-A-004-S7
3.F2			CE 3.F2: Dry Filter			98-A-005-S7
3.GH	3.GH	Plant 3 Paint Kitchen #1	None	Paint	NA	98-A-007-S3

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (gal/hr)	Construction Permit
3.GI	3.GI	Plant 3 Paint Kitchen #2	None	Paint	NA	98-A-008-S3
3.KK	3.KK	Plant 3 Paint Kitchen #3	None	Paint	NA	99-A-684-S2
3.HH	3.HH	Plant 3 Parts Paint Booth	CE 3.HH: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	99-A-688-S6
3.II	3.II	Plant 3 Parts Paint Booth	CE 3.II: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	99-A-689-S6
P.O.	P.O.	Plant 3.5 Paint Gun Cleaning Station	None	Paint	NA	99-A-685-S1
Shop 48 Surface Coating Operations						
SH48.PB1A	SH48.PB1	Shop 48 Paint Booth	CE SH48.PB1A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-168-S1
SH48.PB1B			CE SH48.PB1B: Dry Filter	Paint		19-A-169-S1
SH48.PB2A	SH48.PB2	Shop 48 Paint Booth	CE SH48.PB2A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-170-S1
SH48.PB2B			CE SH48.PB2B: Dry Filter			19-A-171-S1
Plant 7 Surface Coating Operations						
7.PB10A	7.PB10	Plant 7 Primer Paint Booth #1	CE 7.PB10A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-644-S2
7.PB10B			CE 7.PB10B: Dry Filter			19-A-645-S2
7.PB11A	7.PB11	Plant 7 Finish Paint Booth #1	CE 7.PB11A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-646-S2
7.PB11B			CE 7.PB11B: Dry Filter			19-A-647-S2
7.PB12A	7.PB12	Plant 7 Primer Paint Booth #2	CE 7.PB12A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-648-S1
7.PB12B			CE 7.PB12B: Dry Filter			19-A-649-S1
7.PB13A	7.PB13	Plant 7 Finish Paint Booth #2	CE 7.PB13A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-650-S1
7.PB13B			CE 7.PB13B: Dry Filter			19-A-651-S1
7.PB14A	7.PB14	Plant 7 Touch-Up Paint Booth	CE 7.PB14A: Dry Filter	Paint	1 electrostatic spray gun at 5.625 gal/hour	19-A-652-S2
7.PB15A	7.PB15	Plant 7 Whole Goods Paint Booth #1	CE 7.PB15A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-656-S2
7.PB15B			CE 7.PB15B: Dry Filter			19-A-657-S2

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (gal/hr)	Construction Permit
7.PB16A	7.PB16	Plant 7 Whole Goods Paint Booth #2	CE 7.PB16A: Dry Filter	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	19-A-660-S2
7.PB16B			CE 7.PB16B: Dry Filter			19-A-661-S2
Plant 4 Paint Booths						
4.PB10A	4.PB10	Plant 4 Primer Paint Booth	CE 4.PB10: Dry Filters	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	23-A-197
4.PB10B						23-A-198
4.PB11A	4.PB11	Plant 4 Primer Paint Booth	CE 4.PB10: Dry Filters	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	23-A-199
4.PB11B						23-A-200
4.PB12A	4.PB12	Plant 4 Whole Goods Paint Booth	CE 4.PB10AB: Dry Filters	Paint	2 electrostatic spray guns, each at 5.625 gal/hour	23-A-201
4.PB12B						23-A-202
4.PB12C			CE 4.PB10CD: Dry Filters			23-A-203
4.PB12D						23-A-204
4.PB13	4.PB13	Plant 4 Touch-up Paint Booth 1	CE 4.PB13: Dry Filters	Paint	1 electrostatic spray gun at 3.75 gal/hr	24-A-332

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: See Table Above
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: See Table Above
567 IAC 23.4(13)

Emission Point	PM Limit (lb/hr)	Authority for Requirement (Construction Permit Number)
1.AG1	0.21	11-A-483-S3
1.AG2	0.21	97-A-973-S8
1.K	0.71	97-A-974-S8
1.PB1	1.26	18-A-363-S2

Emission Point	PM Limit (lb/hr)	Authority for Requirement (Construction Permit Number)
2.F1	0.56	98-A-075-S7
2.F2	0.56	98-A-076-S7
2.H	0.71	98-A-077-S8
2.AI1	0.32	98-A-859-S7
2.AI2	0.48	98-A-860-S7
3.F1	0.56	98-A-004-S7
3.F2	0.56	98-A-005-S7
3.HH	0.48	99-A-688-S6
3.II	0.88	99-A-689-S6
SH48.PB1A	0.47	19-A-168-S1
SH48.PB1B	0.47	19-A-169-S1
SH48.PB2A	0.47	19-A-170-S1
SH48.PB2B	0.47	19-A-171-S1
7.PB10A	0.47	19-A-644-S2
7.PB10B	0.47	19-A-645-S2
7.PB11A	0.47	19-A-646-S2
7.PB11B	0.47	19-A-647-S2
7.PB12A	0.47	19-A-648-S1
7.PB12B	0.47	19-A-649-S1
7.PB13A	0.47	19-A-650-S1
7.PB13B	0.47	19-A-651-S1
7.PB14A	0.89	19-A-652-S2
7.PB15A	0.47	19-A-656-S2
7.PB15B	0.47	19-A-657-S2
7.PB16A	0.47	19-A-660-S2
7.PB16B	0.47	19-A-661-S2
4.PB10A	0.49	23-A-197
4.PB10B	0.49	23-A-198
4.PB11A	0.49	23-A-199
4.PB11B	0.49	23-A-200
4.PB12A	0.12	23-A-201
4.PB12B	0.12	23-A-202
4.PB12C	0.12	23-A-203
4.PB12D	0.12	23-A-204

Combined Emission Limits

See Facility-Wide conditions for additional combined emission limit requirements.

Operational Limits & Reporting/Record keeping Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

See Facility-Wide conditions for additional requirements.

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Emission Point	**Stack Height** (ft., from the ground)	**Stack Opening** (inches, dia.)	**Exhaust Flowrate** (scfm)	**Exhaust Temp.** (°F)	**Discharge Style**	**Construction Permit #**
1.AG1	44	36	10,300	68	Vertical Unobstructed	11-A-483-S3
1.AG2	44	36	10,300	68	Vertical Unobstructed	97-A-973-S8
1.K	42.1	34	22,500	68	Vertical Unobstructed	97-A-974-S8
1.PB1	46.4	48	29,400	68	Vertical Unobstructed	18-A-363-S2
2.AF	43	20	7,000	68	Vertical Unobstructed	98-A-073-S3
2.AG	41	20	3,500	68	Vertical Unobstructed	98-A-074-S3
2.F1	46.2	42	22,000	68	Vertical Unobstructed	98-A-075-S7
2.F2	46.2	42	22,000	68	Vertical Unobstructed	98-A-076-S7
2.H	42.5	42	21,195	68	Vertical Unobstructed	98-A-077-S8
2.AI1	36.2	42	20,900	68	Vertical Unobstructed	98-A-859-S7
2.AI2	36.2	42	24,000	68	Vertical Unobstructed	98-A-860-S7
3.F1	39	42	21,000	68	Vertical Unobstructed	98-A-004-S7
3.F2	39	42	21,000	68	Vertical Unobstructed	98-A-005-S7
3.GH	41	15	3,500	68	Vertical Unobstructed	98-A-007-S3
3.GI	41	15	3,500	68	Vertical, unobstructed	98-A-008-S3
3.KK	42	24	7,000	68	Vertical, unobstructed	99-A-684-S2
3.HH	37.5	48	22,000	68	Vertical, unobstructed	99-A-688-S6
3.II	37.5	48	30,000	68	Vertical, unobstructed	99-A-689-S6
P.O.	25.33	12	1,100	68	Vertical, unobstructed	99-A-685-S1
SH48.PB1A	44.75	36	15,000	68	Vertical, obstructed	19-A-168-S1
SH48.PB1B	44.75	36	15,000	68	Vertical, obstructed	19-A-169-S1
SH48.PB2A	44.75	36	15,000	68	Vertical, obstructed	19-A-170-S1
SH48.PB2B	44.75	36	15,000	68	Vertical, obstructed	19-A-171-S1
7.PB10A	50	42	21,000	68	Vertical, unobstructed	19-A-644-S2
7.PB10B	50	42	21,000	68	Vertical, unobstructed	19-A-645-S2
7.PB11A	50	42	21,000	68	Vertical, unobstructed	19-A-646-S2
7.PB11B	50	42	21,000	68	Vertical, unobstructed	19-A-647-S2
7.PB12A	49.9	42	30,000	68	Vertical, unobstructed	19-A-648-S1
7.PB12B	49.9	42	30,000	68	Vertical, unobstructed	19-A-649-S1
7.PB13A	49.9	42	30,000	68	Vertical, unobstructed	19-A-650-S1
7.PB13B	49.9	42	30,000	68	Vertical, unobstructed	19-A-651-S1
7.PB14A	49.9	48	36,000	68	Vertical, unobstructed	19-A-652-S2
7.PB15A	49.9	42	29,250	68	Vertical, unobstructed	19-A-656-S2
7.PB15B	49.9	42	29,250	68	Vertical, unobstructed	19-A-657-S2
7.PB16A	49.9	42	29,250	68	Vertical, unobstructed	19-A-660-S2
7.PB16B	49.9	42	29,250	68	Vertical, unobstructed	19-A-661-S2
4.PB10A	32	54	34,425	68	Vertical, unobstructed	23-A-197
4.PB10B	32	54	34,425	68	Vertical, unobstructed	23-A-198
4.PB11A	32	54	34,425	68	Vertical, unobstructed	23-A-199

Emission Point	Stack Height (ft., from the ground)	Stack Opening (inches, dia.)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style	Construction Permit #
4.PB11B	32	54	34,425	68	Vertical, unobstructed	23-A-200
4.PB12A	32	40	15,750	68	Vertical, unobstructed	23-A-201
4.PB12B	32	40	15,750	68	Vertical, unobstructed	23-A-202
4.PB12C	32	40	15,750	68	Vertical, unobstructed	23-A-203
4.PB12D	32	40	15,750	68	Vertical, unobstructed	23-A-204
4.PB13	33	48	26,000	Building Ambient	Vertical, unobstructed	24-A-332

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Vermeer Corporation

Agency Operations and Maintenance Plan

Title V Operating Permit Number 99-TV-052R4

Paint Booth Criteria

I. Applicability:

This plan is applicable to the following paint booths at Vermeer Corporation, Pella Iowa location:

PLANT	DESCRIPTION	TYPE	VMR ID	EMISSION UNIT #	IDNR Construction Permit #
1	Paint Line Booth	Side Draft	PNTB1001	1.K	97-A-974-S8
1	Paint Booth	Side Draft	PNTB5003	1.PB1	18-A-363-S2
1	Paint Whole Goods Booth	Side Draft	PNTB1002	1.AG	11-A-483-S3
					97-A-973-S8
2	Paint Whole Goods Booth	Side Draft	PNTB2001	2.F1,2	98-A-075-S7
					98-A-076-S7
2	Paint Line Booth	Side Draft	PNTB2002	2.H	98-A-077-S8
2	Paint Line Booth	Down Draft	PNTB2003	2A.I 1,2	98-A-859-S7
					98-A-860-S7
3	Paint Whole Goods Booth	Side Draft	PNTB3002	3.F1,2	98-A-004-S7
					98-A-005-S7
3	Paint Line Booth	Down Draft	PNTB3003	3.II	99-A-689-S6
3	Paint Line Booth	Down Draft	PNTB3004	3.HH	99-A-688-S6
4	Primer Paint Booth	Down Draft	PNTB4004	4.PB10	23-A-197
					23-A-198
4	Finish Paint Booth	Down Draft	PNTB4005	4.PB11	23-A-199
					23-A-200
4	Paint Whole Goods Booth	Side Draft	PNTB40xx	4.PB12	23-A-201
					23-A-202
					23-A-203
					23-A-204
4	Touch Up Paint Booth	Side Draft	PNTB4007	4.PB13	24-A-332
7	Primer Paint Booth	Down Draft	PNTB7003	7.PB10	19-A-644-S2
					19-A-645-S2
7	Finish Paint Booth	Down Draft	PNTB7005	7.PB11	19-A-646-S2
					19-A-647-S2
7	Primer Paint Booth	Down Draft	PNTB7004	7.PB12	19-A-648-S1
					19-A-649-S1
7	Finish Paint Booth	Down Draft	PNTB7006	7.PB13	19-A-650-S1
					19-A-651-S1
7	Touch Up Paint Booth	Side Draft	PNTB7002	7.PB14	19-A-652-S2
7	Whole Good Paint Booth	Side Draft	PNTB7001	7.PB15	19-A-656-S2
					19-A-657-S2
7	Whole Good Paint Booth	Side Draft	PNTB7007	7.PB16	19-A-660-S2
					19-A-661-S2
SH48	Whole Goods Paint Booth	Side Draft	PNTB4801	SH48.PB1	19-A-168-S1
					19-A-169-S1
SH48	Whole Goods Paint Booth	Side Draft	PNTB4801	SH48.PB2	19-A-170-S1
					19-A-171-S1

Performance Indicator Type

- Each side draft paint booth is equipped with an air pressure indicator which is observed and recorded daily to verify control equipment is operating within the normal operating range.

Applicable Regulations:
PM emission limit: 0.01 gr/dscf (and see construction permits)
PM_{10} emission limit: See Construction Permits
Control Technology:

- Fabric Panel Filters (on all booths)
- Bag filters (where applicable)

II. Monitoring Approach

1. Monitoring Guidelines

- The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range.
- A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range.
- An excursion does not necessarily indicate a violation of an applicable requirement.
- Periodic monitoring is not required during periods of time greater than one day in which the source does not operate.

2. Monitoring Approach/Performance Criteria

All Paint Booths
- Each paint booth is equipped with a manometer or equivalent instrumentation to measure pressure which will be monitored and recorded at least once per day, on days the booth is in operation.
- The pressure drop readings that define the Normal Operational Range for an individual Paint Booth will be determined during annual manometer/instrumentation calibrations as required by the equipment's manufacturers recommendations.
- All booths will be operated within their normal operating ranges.

3. Indicator/Verification of Operational Status

    - All Paint Booths – Daily pressure checks while the unit is in operation will be used as an excursion indicator for normal operating range.
    - Indicator ranges for pressure indicators are maintained in records kept in Paint Engineering, based on most recent paint booth calibrations.

4. Quality Control Practices and Criteria

    - The Emission Control Equipment will be operated and maintained according to manufacturer's recommendations.

5. Operation/Maintenance – All Paint Booths:

    - Daily pressure readings will be recorded for each unit unless the paint booth is not in operation that day.
    - The Action Limits for the paint booths are the high and low limits of the Normal Operational Range. The Normal Operational Range for each paint booth will be available to the operators taking the readings and making the recordings. Documentation of Normal Operational Range for the paint booths will be kept in Paint Engineering.
    - A pressure reading outside of the normal operational range will require corrective actions to be conducted within 8 hours of the excursion.
    - An excursion of the Normal Operational Range Action Limits does not necessarily indicate a violation.

Emission Point ID Number: Paint Ovens

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	Construction Permit
EP 2.I	EU 2.I	Plant 2 Paint Oven	Natural Gas	5.2	98-A-078-S2
EP 3.JJ	EU 3.JJ	Plant 3 Parts Paint Oven	Natural Gas	2.6	99-A-686-S3
EP 3.MM	EU 3.MM	Plant 3 Parts Paint Oven	Natural Gas	2.6	00-A-562-S1

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: See Table Above
567 IAC 23.3(3)"d"

[(1)] An exceedance of the indicator opacity of "no visible emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: See Table Above
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2
Emission Limit(s): 500 ppmv
Authority for Requirement: See Table Above
567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): See Footnote[(2)]
Authority for Requirement: See Table Above

Pollutant: Single HAP
Emission Limit(s): See Footnote[(2)]
Authority for Requirement: See Table Above

[(2)]VOC and HAP emissions from surface coating are accounted for in the facility's paint booth permits.

Pollutant: Total HAP
Emission Limit(s): See Footnote[(2)]
Authority for Requirement: See Table Above
[(2)] VOC and HAP emissions from surface coating are accounted for in the facility's paint booth permits.

See Facility-Wide emission limits for additional requirements.

Operational Limits & Reporting/Record keeping Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. These units shall be fired by natural gas only.
B. The amount of natural gas used in this facility shall not exceed 500 million cubic feet per 12-month rolling period.
    i. Record the amount of natural gas used in this facility, in cubic feet. Calculate and record monthly and 12-month rolling totals.

Authority for Requirement: See Table Above

See Facility-Wide conditions for additional requirements.

Emission Point Characteristics

These emission point shall conform to the specifications listed below.

Emission Point	**Stack Height** (ft., from the ground)	**Stack Opening** (inches, dia.)	**Exhaust Flowrate** (scfm)	**Exhaust Temp. (°F)**	**Discharge Style**	**Construction Permit #**
EP 2.I	34	12	1,100	150	Vertical Unobstructed	98-A-078-S2
EP 3.JJ	35.5	10	2,500	180	Vertical Unobstructed	99-A-686-S3
EP 3.MM	35.5	10	2,500	180	Vertical Unobstructed	00-A-562-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: W.OVEN

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	Construction Permit
W.OVEN	Paint Hook Burn Off Oven	Natural Gas	3 MMBtu/hr	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%(1)
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

See Facility-Wide emission limits for additional requirements.

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

See Facility-Wide conditions for additional requirements.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP 1.HH

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (bhp)	Construction Permit
EU 1.HH	Plant 1 IT Engine Generator	Diesel Fuel	1,141	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

See Facility-Wide emission limits for additional requirements.

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

Process throughput:

A. The sulfur content of any number one or number two diesel fuel combusted at this facility shall not exceed 0.5% by weight.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Recordkeeping:

A. The facility shall maintain the Small Unit Exemption (SUE) justification and associated records available for inspection.

Authority for Requirement: 567 IAC 22.1(2)"w"

See Facility-Wide conditions for additional requirements.

NESHAP:
This non-emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(iii) this non-emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines. No further requirements apply for this engine under Part 63.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

NSPS:
Emission Standards (for engines with displacement (L/cyl) < 10):
According to 40 CFR 60.4204(b) and 4201, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NOx	NMHC	NMHC + NOx	CO	PM	Opacity	Rule Ref
560<kW≤2237 (751<HP≤3000)	2007-2010	-	-	6.4 (4.8)	3.5 (2.6)	0.20 (0.15)	(1)	(2)

(1) Exhaust opacity must not exceed: 20 percent during the acceleration mode; 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.
(2) 40 CFR 89.112 and 40 CFR 89.113.

Fuel Requirements:
You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 1090.305.

Compliance Requirements:
1. If your engine is equipped with a diesel particulate filter (DPF) to comply with the emission standards, the DPF must be installed with a backpressure monitor that notifies you when the high backpressure limit of the engine is approached. 40 CFR 60.4209(b).
2. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
    b) Changing only those emission-related settings that are permitted by the manufacturer; and
    c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.
3. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and

configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).

4. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct the following performance testing in accordance with 40 CFR 60.4212 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 30 days prior to the test date and are required to submit a stack test report to the DNR within 60 days after the completion of the testing. See 40 CFR 60.4211(g) for additional information.

Maximum Engine Power	Initial Test	Subsequent Test
500 < HP	Within 1 year of engine startup, or non-permitted action [(1)]	Every 8,760 hours or 3 years, whichever comes first

[(1)] Non-permitted action means that you do not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer.

Notification and Recordkeeping Requirements

5. If your engine is equipped with a diesel particulate filter (DPF), you must keep records of any corrective action taken after the backpressure monitor has notified you that the high backpressure limit of the engine is approached. 40 CFR 60.4214(c).

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"yyy"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: Emergency Generators

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (bhp)	Construction Permit
EP PV.GENB	EU PV.GEN1	Pavilion Engine Generator	Diesel Fuel	480	NA
EP ECO.GEN1	EU ECO.GEN1	Eco Center Emergency Generator	Diesel Fuel	480	NA
EP PDC.GEN1	EU PDC.GEN1	Part Center Emergency Generator	Diesel Fuel	539	NA
EP 7.GEN1	EU 7.GEN1	Plant 7 Emergency Generator	Diesel Fuel	1474	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

See Facility-Wide emission limits for additional requirements.

See NSPS Section below for additional emission limits.

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

Process throughput:

A. The sulfur content of any number one or number two diesel fuel combusted at this facility shall not exceed 0.5% by weight.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Recordkeeping:

A. The facility shall maintain the Small Unit Exemption (SUE) justification and associated records available for inspection.

Authority for Requirement: 567 IAC 22.1(2)"w"

See Facility-Wide conditions for additional requirements.

NESHAP

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(iii) this emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines (or 40 CFR part 60 subpart JJJJ for spark ignition engines). No further requirements apply for this engine under Part 63.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

NSPS

Emission Standards (for engines with displacement (L/cyl) < 10):

According to 40 CFR 60.4205(b) and 4202, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Engine Displacement (l/cyl)	Maximum Engine Power	Model Year(s)	NMHC + NOx	CO	PM	Opacity	Rule Ref
Disp. < 10	225 ≤ kW < 450 (302 ≤ HP < 604)	2007+	4.0 (3.0)	3.5 (2.6)	0.20 0.15)	(1)	(2)
	560 < kW ≤ 2237 (751 < HP ≤ 3000)		6.4 (4.8)				

(1) Exhaust opacity must not exceed: 20 percent during the acceleration mode; 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.
(2) 40 CFR 89.112 and 40 CFR 89.113.

Fuel Requirements:

You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 1090.305.

Compliance Requirements:

1. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;

b) Changing only those emission-related settings that are permitted by the manufacturer; and
c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.

2. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).

Operating and Recordkeeping Requirements

6. If your emergency engine does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine (40 CFR 40.4209(a)) and you must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. 40 CFR 40.4214(b).
7. There is no time limit on the use of the emergency engine in emergency situations. 40 CFR 60.4211(f)(1).
8. The engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hours/year. See 40 CFR 60.4211(f)(2) for more information.
9. The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used for peak shaving or to generate income for the facility (e.g. supplying power to the grid) and should be included in the total of 100 hours allowed for maintenance checks and readiness testing. See 40 CFR 60.4211(f)(3) for more information.

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"yyy"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: Emergency Fire Pump

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (bhp)	Construction Permit
EP 7.FIREPUMP1	EU 7.FIREPUMP1	Diesel Fire Water Pump	Diesel Fuel	395	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMbtu
Authority for Requirement: 567 IAC 23.3(3)"b"

See Facility-Wide emission limits for additional requirements.

See NSPS Section below for additional emission limits.

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

Process throughput:

A. The sulfur content of any number one or number two diesel fuel combusted at this facility shall not exceed 0.5% by weight.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Recordkeeping:

A. The facility shall maintain the Small Unit Exemption (SUE) justification and associated records available for inspection.

Authority for Requirement: 567 IAC 22.1(2)"w"
See Facility-Wide conditions for additional requirements.

NESHAP

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(iii) this emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines (or 40 CFR part 60 subpart JJJJ for spark ignition engines). No further requirements apply for this engine under Part 63.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

NSPS

Emission Standards:

According to 40 CFR 60.4205(c) and Table 4 to Subpart IIII, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NMHC + NOx	CO	PM
$130 \leq kW \leq 560$ ($175 \leq HP \leq 750$)	2009+	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)

Fuel Requirements:

You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 1090.305.

Compliance Requirements:

1. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
    b) Changing only those emission-related settings that are permitted by the manufacturer; and
    c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.
2. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).
3. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a

maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct the following performance testing in accordance with 40 CFR 60.4212 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 30 days prior to the test date and are required to submit a stack test report to the DNR within 60 days after the completion of the testing. See 40 CFR 60.4211(g) for additional information.

Maximum Engine Power	Initial Test	Subsequent Test
$100 \leq HP \leq 500$	Within 1 year of engine startup, or non-permitted action [(1)]	Not required

[(1)] Non-permitted action means that you do not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer.

Operating and Recordkeeping Requirements

1. If your emergency engine does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine (40 CFR 40.4209(a)) and you must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. 40 CFR 40.4214(b).
2. There is no time limit on the use of the emergency engine in emergency situations. 40 CFR 60.4211(f)(1).
3. The engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hours/year. See 40 CFR 60.4211(f)(2) for more information.
4. The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used for peak shaving or to generate income for the facility (e.g. supplying power to the grid) and should be included in the total of 100 hours allowed for maintenance checks and readiness testing. See 40 CFR 60.4211(f)(3) for more information.

Authority for Requirement: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)"yyy"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP WELD

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EP WELD	Facility-Wide Welding Operations	Weld Wire	2,500,000 pounds/yr, weld wire	25-A-052

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40 %
Authority for Requirement: DNR Construction Permit 25-A-052
567 IAC 23.3(2)"d"

(1)An exceedance of the indicator opacity of "*no visible emissions*" outside the building or structure will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.48 lb/hr, 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 25-A-052
567 IAC 23.3(2)"a"(1)

Pollutant: Total Metal HAP
Emission Limit(s): 0.10 lb/hr
Authority for Requirement: DNR Construction Permit 25-A-052

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

General Requirements

A. The facility-wide maximum amount of welding wire used at Plant Number 63-02-004 shall not exceed 2,500,000 pounds per 12-month rolling period.
   (1) The owner or operator shall record the total amount of welding wire used at Plant Number 63-02-004 on a monthly basis.
   (2) The owner or operator shall calculate and record the total amount of welding wire used at Plant Number 63-02-004 on a rolling 12-month basis.
B. The emission limitations in this permit are based on the emission factors for E70S electrode from Table 12.19-1 in Chapter 12.19 in AP-42. If the primary electrode used at Plant Number 63-02-004 is changed and its emission factor is greater than 125% of the emission factor for E70S, the owner or operator shall apply to modify this permit.

NESHAP Requirements

C. The owner or operator shall comply with the applicable standards in 40 CFR Part 63, Subpart XXXXXX [§63.11514 – §63.11523], including those not specifically mentioned in this permit.

D. According to 40 CFR §63.11516(f) of Subpart XXXXXX, the following requirements apply to the steel wire welding operation at Plant Number 63-02-004:

(1) The owner or operator shall operate all equipment, capture, and control devices associated with welding operations according to the manufacturer's instructions.

a. The owner or operator shall maintain a record of the manufacturer's specifications for the capture and control devices.

(2) The owner or operator shall implement one or more of the following management practices to minimize hazardous air pollutants (HAP) emissions, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.

a. Use welding processes with reduced fume generation capabilities, such as gas metal arc welding (GMAW);

b. Use welding process variations, such as pulsed current (GMAW), which can reduce fume generation rates;

c. Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;

d. Optimize welding process variables, such as electrode diameter, voltage, ampere, welding angle, shield gas flow rate, travel speed, to reduce the amount of welding generated; and

e. Use a welding fume capture and control system, operated according to the manufacturer's specifications.

(3) The owner or operator shall perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "*Monitoring requirements*," at the primary vent, stack, exit, or opening from the building containing the welding operations.

a. The owner or operator shall keep record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in §63.11519(c)(2), "*Notification, recordkeeping, and reporting requirements*."

(4) If visible fugitive emissions are detected during any of the required visual determinations, the owner or operator shall comply with the requirements in §63.11516(f)(4)(i) and (ii).

(5) If visible fugitive emissions are detected more than once during any consecutive 12-month period, the owner or operator shall comply with the requirements in §63.11516(f)(5)(i) through (iv).

(6) The owner or operator shall comply with the opacity requirements in §63.11516(f)(6) and §63.11516(f)(7).

(7) The owner or operator shall develop a "*Site-Specific Welding Emissions Management Plan*" that shall comply with the requirements in §63.11516(f)(8)(i) through (iii).

E. The owner or operator shall comply with the applicable monitoring requirements in 40 CFR §63.11517.

F. The owner or operator shall comply with the applicable notification, recordkeeping, and reporting requirements in 40 CFR §63.11519 of Subpart XXXXXX, including, but not limited to the following:

(1) The owner or operator shall maintain a copy of the manufacturer's operating specifications for the welding operations at Plant Number 63-02-004.

(2) The owner or operator shall maintain the following records related to the determination of visible emissions from the welding operations at Plant Number 63-02-004.

a. The date and result of every visual determination of emissions;
b. A description of any corrective actions taken subsequent to the test; and
c. The date and result of any follow-up visual determination of emissions after the corrective action.

Authority for Requirement: DNR Construction Permit 25-A-052
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: SB.DUST1, SB.DUST2, & 7.SB1

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment Number	Raw Material	Rated Capacity	Construction Permit
SB.DUST1	SB.3	Dry Abrasive Blast Building	CE-SB.DUST1 Cartridge Filter	Abrasive Shot	1,000 lb/hr Blasting media	15-A-338-S1
SB.DUST2			CE-SB.DUST2 Cartridge Filter			15-A-339-S1
7.SB1	7.SB1	Plant 7 Shot Blast System	CE 7.SB1 Cartridge Filter	Abrasive Shot	614,000 lb steel per hour	19-A-665-S1

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1
567 IAC 23.3(2)"d"

[(1)]An exceedance of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Total Metal HAP
Emission Limit(s): 0.01 lb/hr
Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1
567 IAC 23.4(6)

SB.DUST1 and SB.DUST2 Only
Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.69 lb/hr
Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1

7.SB1 Only
Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.74 lb.hr
Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1

Operational Limits & Reporting/Record keeping Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. When blasting any MFHAP containing objects, the owner or operator shall completely enclose this emission unit, and implement management practices to minimize emissions of MFHAP. Per 40 CFR §63.111516 (a)(2), these management practices are:
   i. Take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
   ii. Enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and,
   iii. Operate all equipment associated with dry blasting operations according to manufacturer's instructions.
B. When blasting any MFHAP containing objects, the owner or operator must operate the filtration control device according to the manufacturer's instructions.
C. The owner or operator shall maintain a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in §63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"
D. The owner or operator shall record the measures implemented to minimize excess dust in the area surrounding the dry abrasive blasting building.

Authority for Requirement: DNR Construction Permits 15-A-338 & 15-A-339
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Emission Point	**Stack Height** (ft., from the ground)	**Stack Opening** (inches)	**Exhaust Flowrate** (scfm)	**Exhaust Temp.** (°F)	**Discharge Style**	**Construction Permit #**
EP SB.DUST1	12.5	14.75 x 22.38	11,000	68	Horizontal	15-A-338-S1
EP SB.DUST2	12.5	28 x 22.5	11,000	68	Horizontal	15-A-339-S1
7.SB1	20	34 x 40	35,000	68	Vertical, unobstructed	19-A-665-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator

shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Per 40 CFR §63.11517(b) of Subpart XXXXXX, visual determinations of visible emissions shall be performed according to the following schedule:

a) ***Daily Method 22 Testing***. Perform visual determination of visible emissions once per day, on each day the process is in operation, during operation of the process.

b) ***Weekly Method 22 Testing***. If no visible emissions are detected in consecutive daily EPA Method 22 tests for 10 days of work day operation of the process, the owner or operator may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible emissions are detected during these tests, the owner or operator shall resume EPA Method 22 testing of that operation once per day during each day that the process is in operation.

c) ***Monthly Method 22 Testing***. If no visible emissions are detected in four consecutive weekly EPA Method 22 testing, the owner or operator may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible emissions are detected during these tests, the owner or operator shall resume weekly EPA Method 22 testing.

d) ***Quarterly Method 22 Testing***. If no visible emissions are detected in three consecutive monthly EPA Method 22 tests, the owner or operator may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible emissions are detected during these tests, the owner or operator shall resume monthly EPA Method 22 testing.

Per 40 CFR §63.11517(a) of Subpart XXXXXX, the duration of each EPA Method 22 test shall be at least 15 minutes and visible emissions shall be considered to be present if they are detected for more than six minutes of the fifteen-minute period.

Authority for Requirement: DNR Construction Permits 15-A-338-S1, 15-A-339-S1, 19-A-665-S1

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐

CAM applies to CE 7SB.1 cartridge filters for PM and PM_{10}. CAM is not required for SB.3. CAM plan is located in Appendix B.

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP 4.SB1

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU 4.SB1	Plant 4 Shot Blast System	CE-4.SB1: Cartridge Filter	Steel	312,000 lb shot/hr	18-A-170-S1

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: DNR Construction Permit 18-A-170-S1
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of "*no visible emissions*" will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.05 gr/dscf, 0.50 lb/hr
Authority for Requirement: DNR Construction Permit 18-A-170-S1
567 IAC 23.4(6)

Pollutant: Total Metal HAP
Emission Limit(s): 0.01 lb/hr
Authority for Requirement: DNR Construction Permit 18-A-170-S1

Operational Limits & Reporting/Record keeping Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

General Requirements

A. The owner or operator shall only use shot material at Plant Number 63-02-004 with a maximum Total HAP content of 1.20 percent by weight.
   (1) The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for the shot material used at Plant Number 63-02-004.

NESHAP Requirements

B. The owner or operator shall comply with the applicable standards in 40 CFR Part 63, Subpart XXXXXX [§63.11514 – §63.11523], including those not specifically mentioned in this permit.

C. Per 40 CFR §63.11516(a)(2)(i) of Subpart XXXXXX, the owner or operator of a dry abrasive blasting affected source shall capture emissions and vent them to a filtration control device.

(1) The owner or operator shall operate the filtration control device according to manufacturer's instructions.

a. The owner or operator shall maintain a record of the manufacturer's specifications for the filtration control device, as specified in §63.11519(c)(4).

b. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment. At a minimum, this log shall include any issues identified during inspection and maintenance activities and the date each issue was resolved.

D. Per 40 CFR §63.11516(a)(2)(ii) of Subpart XXXXXX, the owner or operator of a dry abrasive blasting affected source shall implement the following management practices to minimize emissions of metal fabrication or finishing metal HAP (MFHAP):

(1) The owner or operator shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable.

(2) The owner or operator shall enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials.

(3) The owner or operator shall operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

E. The owner or operator shall comply with the applicable notification, recordkeeping, and reporting requirements in 40 CFR §63.11519 of Subpart XXXXXX, including, but not limited to the following:

(3) The owner or operator shall maintain a copy of the manufacturer's operating specifications for the Plant 4 Shot Blast System (EU 4.SB1).

(4) The owner or operator shall maintain the following records related to the determination of visible emissions from the operation of the Plant 4 Shot Blast System (EU 4.SB1).

a. The date and result of every visual determination of emissions;

b. A description of any corrective actions taken subsequent to the test; and

c. The date and result of any follow-up visual determination of emissions after the corrective action.

Authority for Requirement: DNR Construction Permit 18-A-170-S1
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft., from the ground): 20
Stack Opening, (inches, dia.): 32
Exhaust Flow Rate (scfm): 17,000
Exhaust Temperature (°F): 68
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 18-A-170-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity: Per 40 CFR §63.11517(b) of Subpart XXXXXX, visual determinations of visible emissions shall be performed according to the following schedule:

e) ***Daily Method 22 Testing***. Perform visual determination of visible emissions once per day, on each day the process is in operation, during operation of the process.
f) ***Weekly Method 22 Testing***. If no visible emissions are detected in consecutive daily EPA Method 22 tests for 10 days of work day operation of the process, the owner or operator may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible emissions are detected during these tests, the owner or operator shall resume EPA Method 22 testing of that operation once per day during each day that the process is in operation.
g) ***Monthly Method 22 Testing***. If no visible emissions are detected in four consecutive weekly EPA Method 22 testing, the owner or operator may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible emissions are detected during these tests, the owner or operator shall resume weekly EPA Method 22 testing.
h) ***Quarterly Method 22 Testing***. If no visible emissions are detected in three consecutive monthly EPA Method 22 tests, the owner or operator may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible emissions are detected during these tests, the owner or operator shall resume monthly EPA Method 22 testing.

Per 40 CFR §63.11517(a) of Subpart XXXXXX, the duration of each EPA Method 22 test shall be at least 15 minutes and visible emissions shall be considered to be present if they are detected for more than six minutes of the fifteen-minute period.

Authority for Requirement: DNR Construction Permit 18-A-170-S1
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
CAM plan is located in Appendix B.
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP 7.WA1

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU 7.WA1	Wash Booth	Water/Cleaners	2,400 gal/hr	19-A-664

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%(1)
Authority for Requirement: DNR Construction Permit 19-A-664
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity of "*no visible emissions*" will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 0.68 lb/hr
Authority for Requirement: DNR Construction Permit 19-A-664

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 0.68 lb/hr
Authority for Requirement: DNR Construction Permit 19-A-664
567 IAC 23.3(2)"a"

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

There are no operational or record keeping requirements at this time.

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft., from the ground): 49' 11"
Stack Opening, (inches, dia.): 26
Exhaust Flow Rate (scfm): 12,500
Exhaust Temperature (°F): 100
Discharge Style: Vertical obstructed
Authority for Requirement: DNR Construction Permit 19-A-664

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP W.GRIND1

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU W.GRIND1	Eco Center Grinder – Wood Grinding	Scrap Wood/Pallets	50 tons/hr.	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: 40 %
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: $PM_{2.5}$
Emission Limit(s): 0.52 tons/year Small Unit Exemption Limit
Authority for Requirement: Small Unit Exemption 567 IAC 22.1(2)w

Pollutant: PM_{10}
Emission Limit(s): 2.5 tons/year Small Unit Exemption Limit
Authority for Requirement: Small Unit Exemption 567 IAC 22.1(2)w

Pollutant: Particulate Matter (PM)
Emission Limit: 0.1 gr/dscf, 5 tons/year Small Unit Exemption Limit
Authority for Requirement: 567 IAC 23.3(2)"a"
Small Unit Exemption 567 IAC 22.1(2)w

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

A. The facility shall maintain the Small Unit Exemption (SUE) justification document on file and available for inspection by DNR.

Authority for Requirement: 567 IAC 22.1(2)"w"

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP GASTANKS

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EU GASTANKS	Gasoline Tank	Gasoline	998 gallons	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

See Facility-Wide emission limits for additional requirements.

Operational Limits & Reporting/Record keeping Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.

See Facility-Wide conditions for additional requirements.

NESHAP:
This unit is an affected source under Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and CCCCCC [National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities, 40 CFR §63.11110 – 40 CFR §63.11132]. Per the applicability criteria in Sec. 63.11111 and the definition of gasoline dispensing facility (GDF) in Sec 63.11132, this is a source subject to 40 CFR Part 63, Subpart CCCCCC.

This source has a monthly throughput of less than 10,000 gallons. Per Sec. 63.11111(b), if a GDF has a monthly throughput of less than 10,000 gallons of gasoline, the facility must comply with the requirements of Sec. 63.11116.

Authority for Requirement: 40 CFR Part 63 Subpart CCCCCC
567 IAC 23.1(4)"ec"

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP NG EXEMPT

Associated Equipment

Emission Unit	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit
EP NG EXEMPT	Facility Natural Gas Heaters	Natural Gas	< 10 MMBtu/hr (each)	NA

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(3)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a

Pollutant: Sulfur Dioxide (SO_2
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

See Facility-Wide conditions for additional requirements.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 24.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code (IAC). When 567 IAC as amended May 15, 2024, and cited in this permit becomes State Implementation Plan (SIP) approved, it will supersede 567 IAC as amended February 8, 2023. Prior to May 15, 2024, all Title V rule citations in this Title V permit were found and cited in 567 IAC Chapter 22. During the period from May 15, 2024, to the date that 567 IAC as amended May 15, 2024, is approved into the SIP, both 567 IAC as amended May 15, 2024, and 567 IAC as amended February 8, 2023 form the legal basis for the applicable requirements included in this permit. A crosswalk showing the citation changes is attached to this permit in Appendix C.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 24.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 24.105(2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 24.108(1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 24.108(14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 24.108(9)"b"*
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. *567 IAC 24.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—24.104(455B), permit expiration terminates a source’s right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—24.105(455B). *567 IAC 24.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 24.105(2). *567 IAC 24.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable

inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 24.107(4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 24.108(15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 24.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 24.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 24.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 24.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 24.108 (15)"b"*

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 24.108 (9)"e"*

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 21.8(1)*

G10. Recordkeeping Requirements for Compliance Monitoring
1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.

b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 24.108(4), 567 IAC 24.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 24;

b. Compliance test methods specified in 567 Chapter 21; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 24.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a

violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 21.10(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 21.10(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 21.7(1)-567 IAC 21.7(4)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 24.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 24.
b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—24.140(455B) through 567 - 24.144(455B));.
e. The changes comply with all applicable requirements.
f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,
ii. The date on which the change will occur,
iii. Any change in emission as a result of that change,
iv. The pollutants emitted subject to the emissions trade
v. If the emissions trading provisions of the state implementation plan are

invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 24.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 24.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 24.110(1). *567 IAC 24.110(3)*

4. The permit shield provided in subrule 24.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 24.110(4)*

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 24.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.

a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:

i. Do not violate any applicable requirement;
ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
v. Are not modifications under any provision of Title I of the Act; and
vi. Are not required to be processed as significant modification under rule 567 - 24.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
ii. The permittee's suggested draft permit;
iii. Certification by a responsible official, pursuant to 567 IAC 24.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 24.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 24.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 24, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V

permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 24.111-567 IAC 24.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. *567 IAC 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (*567 IAC 23.1(3)"a");* training fires and controlled burning of a demolished building *(567 IAC 23.2).*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as provided in 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"j"; 567 IAC 23.2(3)"j" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 24.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must

comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 24.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 24.108(17)"a", 567 IAC 24.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 24.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 24.114(2)*
5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 24.114(3)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
a. Such applicable requirements are included and are specifically identified in the permit; or
b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
3. A permit shield shall not alter or affect the following:
a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 24.108 (18)*

G26. Severability
The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 24.108 (8)*

G27. Property Rights
The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 24.108 (9)"d"*

G28. Transferability
This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 24.111(1). *567 IAC 24.111 (1)"d"*

G29. Disclaimer
No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 24.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification
The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department’s request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks (42 days) of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 343-6589

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.
567 IAC 21.10(7)"a", 567 IAC 21.10(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.
567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Iowa Compliance Officer
Air Branch
Enforcement and Compliance Assurance Division
U.S. EPA Region 7
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 313-8325

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1
1101 Commercial Court, Suite 10
Manchester, IA 52057
(563) 927-2640

Field Office 2
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 725-0268

Field Office 6
1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

Polk County Public Works Dept.
Air Quality Division
5885 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Public Health
Air Quality Branch
1020 6th Street SE
Cedar Rapids, IA 52401
(319) 892-6000

V. Appendix A – Links to Federal Rules

40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII

40 CFR 63 Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-XXXXXX

40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ

40 CFR 63 Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-CCCCCC

V. Appendix B – CAM Plans

Vermeer Corporation
Title V Operating Permit Number 99-TV-052R4
Shot Blaster Criteria

I. Applicability:
This plan is applicable to the following shot blast units at Vermeer Corporation, Pella Iowa location:

PLANT	DESCRIPTION	TYPE	VMR ID	EMISSION UNIT #	IDNR Construction Permit #
4	Shot Blasting System	Cartridge filter	BLST4002	4.SB1	18-A-170-S1
7	Shot Blasting System	Cartridge filter	BLST7001	7.SB1	19-A-665-S1

Performance Indicator Type

- Each shot blast unit is equipped with a bag leak detection system. This system is online continuously. The leak detection system is interlocked with the shot blast system and will automatically shut down the blasters if excess particulate matter is detected.

Applicable Regulations

PM emission limit: 0.50 lb/hr See Construction Permits
PM_{10} emission limit: 0.50 lb/hr See Construction Permits
Control Technology: Cartridge Filters on both systems

II. Monitoring Approach

1. Monitoring Guidelines

- Currently Vermeer is contemplating two separate operating scenarios for the use of the Filter Sense monitoring system, an alarm and visual indicator requiring a manual response to the system or an automated response that will trigger an interlock in the system and shut down the shot blasting operation.

2. Automated response

- Once the Filter Sense instruments detect an increase in particulate emissions outside of the established parameters, the Filter Sense will send a signal to a control system that will allow the system to shut itself down if the level indicate particulate outside of the established parameters.
- The facility will then take timely corrective action which may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range.
- An excursion does not necessarily indicate a violation of an applicable requirement.
- Periodic monitoring is not required during periods of time greater than one day in which the source does not operate.

3. Manual Response

- Once the Filter Sense instruments detect an increase in particulate emissions outside of the established parameters, the Filter Sense will send a signal to an alarm system that will give either an audible or visual alarm to indicate operations outside of the established parameters.
- The facility will then take corrective action to investigate the alarm situation to validate the alarm as valid.
- The facility will then investigate the reason for the excursion and perform any necessary actions to correct the alarm condition and return operation within the indicator range. If corrections cannot be made in a timely manner, the shot blasting operation will be shut down until such time as the system can be corrected to operate within the normal parameters.
- An excursion does not necessarily indicate a violation of an applicable requirement.
- Periodic monitoring is not required during periods of time greater than one day in which the source does not operate.

4. Monitoring Approach/Performance Criteria

    - The system is fully automated to monitor for excess PM emissions.

5. Indicator/Verification of Operational Status

    - The system is fully automated to either provide an audible or visual alarm to indicate that an excursion from the established parameters is occurring or to interlock the system and shut down the blaster.

6. Quality Control Practices and Criteria

    - The emission control equipment and monitoring instruments will be operated and maintained according to manufacturer's recommendations.

7. Operation/Maintenance:

    - Leak detection will be operated at all times the blasters are in operation.

V. Appendix C – Executive Order (EO10) Rules Crosswalk

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
20	**20 (Reserved)**	Scope of Title - Definitions	N/A	**Definitions moved** to Ch. 21, 22 and 23. **Rescinded** Ch. 20. (Reserved)
21	**21**	Compliance	Compliance, Excess Emissions, and Measurement of Emissions	**Kept and combined** with rules from Chapters 24, 25, 26, and 29.
22	**22**	Controlling Pollution-Permits	Controlling Air Pollution - Construction Permitting	**Kept construction permit rules and combined** with Ch. 20 (definitions) and Ch. 28 (NAAQS). **Moved operating permit rules** to Chapter 24.
22.100 - 22.300(12)	**(New) 24**	N/A	Operating Permits	**Moved operating permit rules** from Ch. 22 to Ch. 24.
23	**23**	Emission Standards	Air Emission Standards	**Kept**
24	**(New) 21**	Excess Emissions	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21. **Moved TV rules** here (to Ch. 24)**.**
25	**(New) 21**	Emissions Measurement	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 25. (Reserved)
26	**(New) 21**	Emergency Air Pollution Episodes	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 26. (Reserved)
27	**27**	Local Program Acceptance	Local Program Acceptance	**Kept**
28	**22**	NAAQS	N/A	**Moved rules and combined** with Ch. 22. **Rescinded** Ch. 28. (Reserved)
29	**(New) 21**	Opacity Qualifications	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 29. (Reserved)
30	**30**	Fees	Fee	**Kept**
31	**31**	Nonattainment Areas	Nonattainment New Source Review	**Kept**
32	**N/A**	AFO Field Study	N/A	**Rescinded** Ch. 32. (Reserved)
33	**33**	Special regulations and construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD) of air quality	Construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD)	**Kept**
34	**N/A**	Emissions Trading-CAIR-CAMR	N/A	**Rescinded** Ch. 34. (Reserved)
35	**N/A**	Grant Assistance Programs	N/A	**Rescinded** Ch. 35. (Reserved)

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
20	**20 (Reserved)**	**Scope of Title - Definitions**	**N/A**	**Definitions moved** to Ch. 21, 22 and 23. **Rescinded** Ch. 20. (Reserved)
20.1	N/A	Scope of title	N/A	
20.2	Ch. 21, 22, 23	Definitions	Definitions	See beginning of Ch. 21, 22, and 23
20.3	N/A	Air quality forms generally	N/A	
21	**21**	**Compliance**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Kept and combined** with rules from Chapters 24, 25, 26, and 29.
21.1	21.1	Compliance Schedule	Definitions and compliance requirements	Added definitions from Ch. 21, some language updated
21.2	21.2	Variances	Variances	Some language updated
21.3	21.3	Emission reduction program	Reserved	Reserved
21.4	21.4	Circumvention of rules	Circumvention of rules	Minor language updated
21.5	21.5	Evidence used in establishing that a violation has or is occurring	Evidence used in establishing that a violation has occurred or is occurring	21.5(2) Reserved, some language updated
21.6	21.6	Temporary electricity generation for disaster situations	Temporary electricity generation for disaster situations	Minor language updated
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
N/A	21.9	N/A	Compliance with other requirements	New language
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3	N/A	Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table V	Table III	Abatement strategies emission reduction actions emergency level	Abatement strategies emission reduction actions emergency level	Moved from Ch. 26, reference federal appendix table
22	**22**	**Controlling Pollution-Permits**	**Controlling Air Pollution - Construction Permitting**	**Kept construction permit rules and combined** with Ch. 20 (definitions) and Ch. 28 (NAAQS). **Moved operating permit rules** to Chapter 24.
22.1	22.1	Permits required for new or existing stationary sources	Definitions and permit requirements for new or existing stationary sources	Added definitions from Ch. 20, some language updated
22.2	22.2	Processing permit applications	Processing permit applications	
22.3	22.3	Issuing permits	Issuing permits	
22.4	22.4	Special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)	Major stationary sources located in areas designated attainment or unclassified (PSD)	
22.5	22.5	Special requirements for nonattainment areas	Major stationary sources located in areas designated Nonattainment	
22.6	22.6	Nonattainment area designations	Reserved	

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
22.7	22.7	Alternative emission control program	Alternative emission control program	
22.8	22.8	Permit by rule	Permit by rule	
22.9	22.9	Special requirements for visibility protection	Special requirements for visibility protection	A lot of language updated or removed
22.10	22.10	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	Moved from Ch. 28, minor language updated
22.12 to 22.99	N/A	Reserved	N/A	Removed

22.100 - 22.300(12)	**(New) 24**	**N/A**	**Operating Permits**	**Moved operating permit rules** from Ch. 22 to Ch. 24.
22.100	24.100	Definitions for Title V operating permits	Definitions for Title V operating permits	Moved from Ch. 22, some language updated, many 40 CFR 70 definitions adopted by reference
22.101	24.101	Applicability of Title V operating permit requirements	Applicability of Title V operating permit requirements	Moved from Ch. 22, some language updated to correct punctuation and remove old dates
22.102	24.102	Source category exemptions	Source category exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.103	24.103	Insignificant activities	Insignificant activities	Moved from Ch. 22, some language updated to correct typos and remove old dates
22.104	24.104	Requirement to have a Title V permit	Requirement to have a Title V permit	Moved from Ch. 22, some language updated no changes to rule text
22.105	24.105	Title V permit applications	Title V permit applications	Moved from Ch. 22, updated language to address electronic submissions and remove past application due dates
22.106	24.106	Annual Title V emissions inventory	Annual Title V emissions inventory	Moved from Ch. 22, no changes to rule text
22.107	24.107	Title V permit processing procedures	Title V permit processing procedures	Moved from Ch. 22, some language updated to update locations of public records and remove old CFR amendment dates
22.108	24.108	Permit content	Permit content	Moved from Ch. 22, some language updated to correct punctuation, remove old dates, and adopt 40 CFR 70 rules by reference
22.109	24.109	General permits	General permits	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.110	24.110	Changes allowed without a Title V permit revision (off-permit revisions)	Changes allowed without a Title V permit revision (off-permit revisions)	Moved from Ch. 22, some language updated to remove redundant language
22.111	24.111	Administrative amendments to Title V permits	Administrative amendments to Title V permits	Moved from Ch. 22, no changes to rule text
22.112	24.112	Minor Title V permit modifications	Minor Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.113	24.113	Significant Title V permit modifications	Significant Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.114	24.114	Title V permit reopenings	Title V permit re-openings	Moved from Ch. 22 to Ch. 24, some language updated to adopt 40 CFR 70 rules by reference
22.115	24.115	Suspension, termination, and revocation of Title V permits	Suspension, termination, and revocation of Title V permits	Moved from Ch. 22, no changes to rule text
22.116	24.116	Title V permit renewals	Title V permit renewals	Moved from Ch. 22, no changes to rule text
22.117-22.119	24.117-24.119	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.120	24.120	Acid rain program—definitions	Acid rain program—definitions	Moved from Ch. 22, some language updated to remove old CFR amendment dates and address electronic submissions
22.121	24.121	Measurements, abbreviations, and acronyms	Reserved	Moved from Ch. 22, no changes to rule text
22.122	24.122	Applicability	Applicability	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.123	24.123	Acid rain exemptions	Acid rain exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.124	24.124	Retired units exemption	Reserved	Moved from Ch. 22, no changes to rule text
22.125	24.125	Standard requirements	Standard requirements	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.126	24.126	Designated representative—submissions	Designated representative—submissions	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.127	24.127	Designated representative—objections	Designated representative—objections	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.128	24.128	Acid rain applications—requirement to apply	Acid rain applications—requirement to apply	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference

22.129	24.129	Information requirements for acid rain permit applications	Information requirements for acid rain permit applications	Moved from Ch. 22, no changes to rule text

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22.130	24.130	Acid rain permit application shield and binding effect of permit application	Acid rain permit application shield and binding effect of permit application	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.131	24.131	Acid rain compliance plan and compliance options—general	Acid rain compliance plan and compliance options—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.132	24.132	Repowering extensions	Reserved	Moved from Ch. 22, no changes to rule text
22.133	24.133	Acid rain permit contents—general	Acid rain permit contents—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.134	24.134	Acid rain permit shield	Acid rain permit shield	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.135	24.135	Acid rain permit issuance procedures—general	Acid rain permit issuance procedures—general	Moved from Ch. 22, no changes to rule text
22.136	24.136	Acid rain permit issuance procedures—completeness	Acid rain permit issuance procedures—completeness	Moved from Ch. 22, no changes to rule text
22.137	24.137	Acid rain permit issuance procedures—statement of basis	Acid rain permit issuance procedures—statement of basis	Moved from Ch. 22, no changes to rule text
22.138	24.138	Issuance of acid rain permits	Issuance of acid rain permits	Moved from Ch. 22, some language updated to remove old dates and deadlines
22.139	24.139	Acid rain permit appeal procedures	Acid rain permit appeal procedures	Moved from Ch. 22, no changes to rule text
22.140	24.140	Permit revisions—general	Permit revisions—general	Moved from Ch. 22, some language updated to remove old dates
22.141	24.141	Permit modifications	Permit modifications	Moved from Ch. 22, no changes to rule text
22.142	24.142	Fast-track modifications	Fast-track modifications	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.143	24.143	Administrative permit amendment	Administrative permit amendment	Moved from Ch. 22, some language updated to remove fax option
22.144	24.144	Automatic permit amendment	Automatic permit amendment	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.145	24.145	Permit reopenings	Permit re-openings	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.146	24.146	Compliance certification—annual report	Compliance certification—annual report	Moved from Ch. 22, no changes to rule text
22.147	24.147	Compliance certification—units with repowering extension plans	Reserved	Moved from Ch. 22, no changes to rule text
22.148	24.148	Sulfur dioxide opt-ins	Sulfur dioxide opt-ins	Moved from Ch. 22, some language updated to update the 40 CFR Part 74 amendment date
22.149 - 22.199	24.149 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.200	24.200 - 24.299	Definitions for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.201	24.200 - 24.299	Eligibility for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.203	24.200 - 24.299	Voluntary operating permit applications	Reserved	Moved from Ch. 22, no changes to rule text
22.204	24.200 - 24.299	Voluntary operating permit fees	Reserved	Moved from Ch. 22, no changes to rule text
22.205	24.200 - 24.299	Voluntary operating permit processing procedures	Reserved	Moved from Ch. 22, no changes to rule text
22.206	24.200 - 24.299	Permit content	Reserved	Moved from Ch. 22, no changes to rule text
22.207	24.200 - 24.299	Relation to construction permits	Reserved	Moved from Ch. 22, no changes to rule text
22.208	24.200 - 24.299	Suspension, termination, and revocation of voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.209	24.200 - 24.299	Change of ownership for facilities with voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.210 - 22.299	24.200 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.300	24.300	Operating permit by rule for small sources	Operating permit by rule for small sources	Moved from Ch. 22, no changes to rule text

23	23	Emission Standards	Air Emission Standards	Kept
23.1	23.1	Emission standards	Emission standards	Kept, language updated, tables used
23.2	23.2	Open burning	Open burning	Kept, some language updated
23.3	23.3	Specific contaminants	Specific contaminants	Kept, some language updated
23.4	23.4	Specific processes	Specific processes	Kept, some language updated
23.5	23.5	Anaerobic lagoons	Anaerobic lagoons	Kept, some language updated
23.6	23.6	Alternative emission limits (the “bubble concept”)	Reserved	Removed

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24	**(New) 21**	**Excess Emissions**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Moved operating permit rules** here (to Ch. 24)**.**
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
25	**(New) 21**	**Emissions Measurement**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 25. (Reserved)
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3		Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
26	**(New) 21**	**Emergency Air Pollution Episodes**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 26. (Reserved)
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table
Ch 26Table V	Table III	Abatement strategies emission reduction actions emergency level	Abatement strategies emission reduction actions emergency level	Moved from Ch. 26, reference federal appendix table
27	**27**	**Local Program Acceptance**	**Local Program Acceptance**	**Kept**
27.1	27.1	General	General	Kept, some language updated
27.2	27.2	Certificate of acceptance	Certificate of acceptance	Kept, some language updated
27.3	27.3	Ordinance or regulations	Ordinance or regulations	Kept, some language updated
27.4	27.4	Administrative organization	Administrative organization	Kept, some language updated
27.5	27.5	Program activities	Program activities	Kept, some language updated
28	**22**	**NAAQS**	**N/A**	**Moved rules and combined** with Ch. 22. **Rescinded** Ch. 28. (Reserved)
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	**Moved from Ch. 28**, minor language updated **Rescinded** Ch. 28. (Reserved)
29	**(New) 21**	**Opacity Qualifications**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 29. (Reserved)
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated

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30	**30**	**Fees**	**Fee**	**Kept**
30.1	30.1	Purpose	Purpose	Kept, language updated
30.2	30.2	Fees associated with new source review applications	Fees associated with new source review applications	Kept, some language updated
30.3	30.3	Fees associated with asbestos demolition or renovation notification	Fees associated with asbestos demolition or renovation notification	Kept, some language updated
30.4	30.4	Fees associated with Title V operating permits	Fees associated with Title V operating permits	Kept, some language updated
30.5	30.5	Fee advisory groups	Fee advisory groups	Kept, language updated
30.6	30.6	Process to establish or adjust fees and notification of fee rates	Process to establish or adjust fees and notification of fee rates	Kept, some language updated
30.7	30.7	Fee revenue	Reserved	Language removed
31	**31**	**Nonattainment Areas**	**Nonattainment New Source Review**	**Kept**
31.1	31.1	Permit requirements relating to nonattainment areas	Permit requirements relating to nonattainment areas	Kept, some language updated
31.2	31.2	Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan - Rescinded	Reserved	Language removed
31.3	31.3	Nonattainment new source review requirements for areas designated nonattainment on or after May 18, 1998	Nonattainment new source review (NNSR) requirements for areas designated nonattainment	Kept, some language updated
31.4	31.4	Preconstruction review permit program	Preconstruction review permit program	Kept
31.5 - 31.8	31.5 - 31.8	Reserved	Reserved	Kept
31.9	31.9	Actuals PALs	Actuals PALs	Kept, some language updated
31.10	31.10	Validity of rules	Validity of rules	Kept
31.11 - 31.19	N/A	Reserved	N/A	Rescinded and removed
31.20	N/A	Special requirements for nonattainment areas designated before May 18, 1998	N/A	Rescinded and removed
32	**N/A**	**AFO Field Study**	**N/A**	**Rescinded** Ch. 32. (Reserved)
32.1	N/A	Animal feeding operations field study	N/A	Rescinded, reserved, and language removed
32.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed
32.3	N/A	Exceedance of the health effects value (HEV) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.4	N/A	Exceedance of the health effects standard (HES) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.5	N/A	Iowa Air Sampling Manual	N/A	Rescinded, reserved, and language removed
33	**33**	**Special regulations and construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD) of air quality**	**Construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD)**	**Kept**
33.1	33.1	Purpose	Purpose	Kept, some language updated
33.2	33.2	Reserved	Reserved	Kept
33.3	33.3	Special construction permit requirements for major stationary sources in areas designated attainment or unclassified (PSD)	PSD construction permit requirements for major stationary sources	Kept, some language updated
33.4 - 33.8	33.4 - 33.8	Reserved	Reserved	Kept
33.9	33.9	Plantwide applicability limitations (PALs)	Plantwide applicability limitations (PALs)	Kept, some language updated
33.10	33.10	Exceptions to adoption by reference	Exceptions to adoption by reference	Kept, some language updated

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34	**N/A**	**Emissions Trading-CAIR-CAMR**	**N/A**	**Rescinded** Ch. 34. (Reserved)
34.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
34.2 - 34.199	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.200	N/A	Provisions for air emissions trading and other requirements for the Clean Air Interstate Rule (CAIR) - rescinded	N/A	Rescinded, reserved, and language removed
34.201	N/A	CAIR NOx annual trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.202	N/A	CAIR designated representative for CAIR NOx sources - rescinded	N/A	Rescinded, reserved, and language removed
34.203	N/A	Permits - rescinded	N/A	Rescinded, reserved, and language removed
34.204	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.205	N/A	CAIR NOx allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.206	N/A	CAIR NOx allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.207	N/A	CAIR NOx allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
34.208	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.209	N/A	CAIR NOx opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.210	N/A	CAIR SO2 trading program - rescinded	N/A	Rescinded, reserved, and language removed
34.211 - 34.219	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.220	N/A	CAIR NOx ozone season trading program - rescinded	N/A	Rescinded, reserved, and language removed
34.221	N/A	CAIR NOx ozone season trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.222	N/A	CAIR designated representative for CAIR NOx ozone season sources - rescinded	N/A	Rescinded, reserved, and language removed
34.223	N/A	CAIR NOx ozone season permits - rescinded	N/A	Rescinded, reserved, and language removed
34.224	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.225	N/A	CAIR NOx ozone season allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.226	N/A	CAIR NOx ozone season allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.227	N/A	CAIR NOx ozone season allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
34.228	N/A	CAIR NOx ozone season monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.229	N/A	CAIR NOx ozone season opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.230 - 34.299	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.300	N/A	Provisions for air emissions trading and other requirements for the Clean Air Mercury Rule (CAMR) - rescinded	N/A	Rescinded, reserved, and language removed
34.301	N/A	Mercury (Hg) budget trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.302	N/A	Hg designated representative for Hg budget sources - rescinded	N/A	Rescinded, reserved, and language removed
34.303	N/A	General Hg budget trading program permit requirements - rescinded	N/A	Rescinded, reserved, and language removed
34.304	N/A	Hg allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.305	N/A	Hg allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed

34.306	N/A	Hg allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
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34.307	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.308	N/A	Performance specifications - rescinded	N/A	Rescinded, reserved, and language removed

35	**N/A**	**Grant Assistance Programs**	**N/A**	**Rescinded** Ch. 35. (Reserved)
35.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
35.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed
35.3	N/A	Role of the department of natural resources	N/A	Rescinded, reserved, and language removed
35.4	N/A	Eligible projects	N/A	Rescinded, reserved, and language removed
35.5	N/A	Forms	N/A	Rescinded, reserved, and language removed
35.6	N/A	Project selection	N/A	Rescinded, reserved, and language removed
35.7	N/A	Funding sources	N/A	Rescinded, reserved, and language removed
35.8	N/A	Type of financial assistance	N/A	Rescinded, reserved, and language removed
35.9	N/A	Term of loans	N/A	Rescinded, reserved, and language removed
35.10	N/A	Reduced award	N/A	Rescinded, reserved, and language removed
35.11	N/A	Fund disbursement limitations	N/A	Rescinded, reserved, and language removed
35.12	N/A	Applicant cost share	N/A	Rescinded, reserved, and language removed
35.13	N/A	Eligible costs	N/A	Rescinded, reserved, and language removed
35.14	N/A	Ineligible costs	N/A	Rescinded, reserved, and language removed
35.15	N/A	Written agreement	N/A	Rescinded, reserved, and language removed
35.16	N/A	Financial assistance denial	N/A	Rescinded, reserved, and language removed